

Patent Claims

1. Method for removing water ice from a refrigeration system for cooling refrigerated goods to a temperature below the freezing point of water, characterized in that the water ice is removed by suction from the interior of the refrigeration system using a suction blower and at least one suction connection.

2. Method as claimed in Claim 1, characterized in that at least three suction connections are used.

3. Method as claimed in Claim 1 or 2, characterized in that the water ice is removed by suction with the help of the suction connection from a conveyor belt on which the refrigerated goods are conveyed through the refrigeration system.

4. Method as claimed in any one of Claims 1 through 3, characterized in that the suction connections are moved during the suction process, in particular being pivoted.

5. Refrigeration system for cooling refrigerated goods to a temperature below the freezing point of water, characterized in that at least one suction connection for removing water ice from the refrigeration system is provided in the interior of the refrigeration system, this suction connection being operatively connected to a suction blower.

6. Refrigeration system as claimed in Claim 5, characterized in that at least three connections for water ice are provided.

7. Refrigeration system claimed in Claim 5 or 6, characterized in that the suction connections are mounted in the refrigeration system in such a way that the water ice is removed by suction from a conveyor belt on which the refrigerated goods are conveyed through the refrigeration system.

8. Refrigeration system as claimed in any one of Claims 5 through 7, characterized in that the suction connections are movably mounted, in particular pivotably mounted, in the interior of the refrigeration system.